

BACHELOR IN SPEECH AND LANGUAGE THERAPY

Main Language of Instruction:

French English Arabic

Campus Where the Program Is Offered: CIS

OBJECTIVES

The Bachelor in Speech and Language Therapy program aims to equip students with the following skills:

- Assess communication and swallowing disorders;
- Design effective treatment plans;
- Implement tailored care strategies;
- Serve diverse populations;
- Collaborate with healthcare professionals;
- Provide high-quality therapeutic interventions;
- Engage in research and lifelong learning;
- Adhere to ethical and professional standards.

PROGRAM LEARNING OUTCOMES (COMPETENCIES)

- Conduct thorough clinical assessments for screening, evaluating, and implementing speech and language therapy intervention, employing quantitative reasoning and critical thinking;
- Collaborate with diverse therapists, adapting communication methods to different audiences and contexts, to establish comprehensive intervention plans supported by both oral and written rationales.
- Acquire communication skills necessary for establishing therapeutic relationships with patients, facilitating oral and written exchanges, sharing information, and educating parents, professionals, and the patients' support networks;
- Actively participate in clinical research endeavors aimed at advancing linguistic knowledge and the speech and language therapy profession in Lebanon, considering the unique context and applying quantitative reasoning and critical thinking;
- Adhere to ethical and professional principles in all speech and language therapy practices;
- Recognize the importance of lifelong learning.

PROGRAM REQUIREMENTS

240 credits: Required courses (189 credits), Institution's elective courses (12 credits), and Open elective courses (6 credits), USJ General Education Program (33 credits).

USJ General Education Program (33 Cr.)

English (4 Cr.)

English Level A (4 Cr.)

Arabic (4 Cr.)

Arabic Culture and Language (2 Cr.)

Specific Terminologies: Advanced Arabic Language Course (CLAS) (2 Cr.)

Humanities (9 Cr.)

Bioethics (2 Cr.)

Developmental and Social Psychology (3 Cr.)

Volunteering and Active Citizenship (2 Cr.)


USJ Values (2 Cr.)

Social Sciences (6 Cr.)

Deontology and Legislation (2 Cr.)

Introduction to Health Policy and Systems (2 Cr.)

Leadership, Innovation and Professionalism (2 Cr.)





Communication Techniques (4 Cr.)

English for SLT 1 (3 Cr.)

Specialized Communication and Public Information (1 Cr.)

Quantitative Research Techniques (6 Cr.)

Research Methods: Introduction to Statistical Tests (2 Cr.)

Research Methods: Inferential Statistics (2 Cr.)

Practical Introduction to Research II (2 Cr.)

Fundamental Courses

Required Courses (189 Cr.)

AAC: Intervention in Speech and Language Therapy (1 Cr.). Adult Psychiatry (3 Cr.). Advanced Linguistics: Syntax Analysis I (3 Cr.). Advanced Linguistics: Syntax Analysis II (2 Cr.). Anatomy and Physiology of Speech (2 Cr.). Anatomy, Physiology and Pathology of the Auditory System (3 Cr.). Arabic for SLT (2 Cr.). Articulation and Motor Speech Disorders (2 Cr.). Artificial Intelligence in Speech Therapy: Applications and Prospects (2 Cr.). Assessment of Communication and Language Disorders (2 Cr.). Assessment Principles in SLT (2 Cr.). Atypical Swallowing (1 Cr.). Augmentative and Alternative Communication: Theoretical Issues and Assessment in SLT (1 Cr.). Child and Adolescent Psychiatry (3 Cr.). Clinical Approach to SLT I (2 Cr.). Clinical Approach to SLT II (2 Cr.). Clinical Approach to SLT III (2 Cr.). Clinical Approach to SLT IV (2 Cr.). Clinical Approach to SLT V (3 Cr.). Clinical Approach to SLT VI (2 Cr.). Clinical Approach to SLT VII (2 Cr.). Clinical Approach to SLT VIII (2 Cr.). Clinical Intervention and Decision-Making in SLT (2 Cr.). and Autism Communication and Language Disorders: Introduction (4 Cr.). Communication and Oral Language Development (2 Cr.). Development of Prelogical and Logical Reasoning (1 Cr.). Developmental Language Disorders (3 Cr.). Diagnostic Investigations in Psychology (2 Cr.). Diagnostic Investigations in Psychomotor Therapy (1 Cr.). English for SLT II (4 Cr.). Executive Functions in SLT Intervention (2 Cr.). Feeding and Swallowing Disorders III - Dysphagia (2 Cr.). Fluency Disorders (4 Cr.). Functional Neuroanatomy (2 Cr.). Genetic Syndromes (3 Cr.). Institutional Internship - SLT (5 Cr.). Intervention for Communication and Language Disorders (2 Cr.). Introduction to Education Sciences (2 Cr.). Introduction to Linguistics (3 Cr.). Introduction to Literacy Development (2 Cr.). Introduction to Occupational Therapy (1 Cr.). Introduction to Speech and Language Therapy (2 Cr.). Language and Communication Profiles in Individuals with Cerebral Palsy: Assessment and Intervention (3 Cr.). Language Assessment in Adults with Acquired Language Disorders (3 Cr.). Language Intervention in Adults with Acquired Language Disorders (2 Cr.). Management of Feeding and Swallowing Disorders (3 Cr.). Math Cognition Developmental Disorders (2 Cr.). Mediation in SLT 2 (2 Cr.). Medical Research Updates About Developmental Disorders (3 Cr.). Neurological Disorders (3 Cr.). Ophthalmology (1 Cr.). Orthodontics and Facial Stomatology (2 Cr.). Pathologies of the Voice (1 Cr.). Pediatrics and Genetics (2 Cr.). Phonetics I (3 Cr.). Phonetics II (2 Cr.). Practicum I (1 Cr.). Practicum II (1 Cr.). Practicum III (3 Cr.). Practicum IV (3 Cr.). Practicum and Internship I (4 Cr.). Practicum and Internship II (4 Cr.). Preliminary Research Project I (2 Cr.). Preliminary Research Project II (3 Cr.). Professional Report-Writing and Communication (2 Cr.). Psychomotor Development and Introduction to Psychomotor Therapy (3 Cr.). Research Methods: Introduction to Research in Speech and Language Therapy (2 Cr.). Research Methods: Scientific Reading and Critical Appraisal (2 Cr.). Research Methods: Concepts and Methodology (2 Cr.). Research Methods: Types and Quantitative Designs (2 Cr.). SLT Assessment and Intervention in Math Cognition Developmental Disorders (2 Cr.). SLT Assessment in Individuals Who Are Deaf and Hard of Hearing (3 Cr.). SLT Intervention in Children with Hearing Impairment (3 Cr.). Speech and Language Therapy University Clinics (7 Cr.). Voice Management I (2 Cr.). Voice Management II (2 Cr.). Written Language Disorders I: Symptomatology and Assessment (2 Cr.). Written Language Disorders II: Intervention (3 Cr.).

Institution's Elective Courses (12 Cr.)

Body and Language Communication Workshop (2 Cr.). Interactive Book Reading (2 Cr.). Mediation in SLT I (2 Cr.). Polyphonic Singing I (2 Cr.). Polyphonic Singing II (2 Cr.). Practical Introduction to Research I (2 Cr.). Toolkit for University Integration (2 Cr.).

Open Elective Courses (6 Cr.)



SUGGESTED STUDY PLAN

The tables below list all of the courses that must be taken, along with 6 open elective credits chosen by the students to meet the 240-credit requirement for obtaining the Bachelor in Speech and Language Therapy.

Semester 1

Code	Course Name	Credits
040APPSL1	Anatomy and Physiology of Speech	2
040APPAL1	Anatomy, Physiology and Pathology of the Auditory System	3
040SEMIL1	Clinical Approach to SLT I	2
040DVSPL1	Developmental and Social Psychology	3
040ENSTL1	English for SLT I	3
040ITESL1	Introduction to Education Sciences	2
040ISLTL1	Introduction to Speech and Language Therapy	2
435LALML2	Arabic Language and Media	2
040OPORL1	Ophthalmology	1
040PRACL1	Practicum I	1
040TKUIL1	Toolkit for University Integration (Institution's elective course)	2
040POSIL1	Polyphonic Singing I (Institution's elective course)	2
040PDPTL1	Psychomotor Development and Introduction to Psychomotor Therapy	3
Not scheduled	USJ Values	2
	Total	30

Semester 2

Code	Course Name	Credits
040ARENL2	Arabic for SLT	2
Not Scheduled	Body and Language Communication Workshop (Institution's elective course)	2
040SEMIL2	Clinical Approach to SLT II	2
040COLDL1	Communication and Oral Language Development	2
040ENSSL2	English for SLT II	4
040FUNEL2	Functional Neuroanatomy	2
040OTOML2	Orthodontics & Facial Stomatology	2
040PEGEL2	Pediatrics and Genetics	2
040PHO1L2	Phonetics I	3
040PRACL2	Practicum II	1
040POSIL2	Polyphonic Singing II (Institution's elective course)	2
040RMP1L2	Research Methods: Introduction to Research in Speech and Language Therapy	2
015ABC2L3	Volunteering and Active Citizenship	2
040LINSL2	Introduction to Linguistics	3
	Total	31

Semester 3

Code	Course Name	Credits
040CLAPL3	Clinical Approach to SLT III	2
040ALSAL3	Advanced Linguistics: Syntax Analysis I	3
040ITL4	Introduction to Literacy Development	2
040AMSDL3	Articulation and Motor Speech Disorders	2
040DCLDL3	Communication and Language Disorders: Introduction	4
040GNTSL3	Genetic Syndromes	3
040MFSDL3	Management of Feeding and Swallowing Disorders	3
040CAPSL3	Child and Adolescent Psychiatry	3
040PAVOL3	Pathologies of the Voice	1
040PRANL3	Practicum III	3
040PANEL3	Neurological Disorders	3
040MSLTL3	Mediation in SLT I (Institution's elective course)	2
	Total	31

Semester 4

Code	Course Name	Credits
040CAP4L4	Clinical Approach to SLT IV	2
040ALSAL4	Advanced Linguistics: Syntax Analysis II	2
040ADPSL3	Adult Psychiatry	3
040AIHIL4	SLT Assessment in Individuals Who Are Deaf and Hard of Hearing	3
040RMPCL4	Research Methods: Scientific Reading and Critical Appraisal	2
040LCCPL4	Language and Communication Profiles in Individuals with Cerebral Palsy: Assessment and Intervention	3
040AAACL4	Augmentative and Alternative Communication: Theoretical Issues and Assessment in SLT	1
040CLDAL4	Assessment of Communication and Language Disorders	2
040CLDIL4	Intervention for Communication and Language Disorders	2
040WLDIL5	Written Language Disorders I: Symptomatology and Assessment	2
040ASARL4	Atypical Swallowing	1
040PHO2L2	Phonetics II	2
040INOTL4	Introduction to Occupational Therapy	1
040PRA4L4	Practicum IV	3
040IBREL4	Interactive Book Reading (Institution's elective course)	2
040DAMCL6	Math Cognition Developmental Disorders	2
	Total	33

Semester 5

Code	Course Name	Credits
040ISLTL5	AAC: Intervention in Speech and Language Therapy	1
040CLNWL5	Clinical Approach to SLT V	3
040SIDCL5	Developmental Language Disorders	3
040FASDL5	Feeding and Swallowing Disorders III - Dysphagia	2
040LAADL5	Language Assessment in Adults with Acquired Language Disorders	3
040PIRSL5	Practical Introduction to Research I (Institution's elective course)	2
040PRINL5	Practicum and Internships I	4
040PRWCL5	Professional Report-Writing and Communication	2
040RMPSL5	Research Methods: Introduction to Statistical Tests	2
Not scheduled	Autism and Communication Disorders	4
040VOMNL5	Voice Management I	2
040WLDIL6	Written Language Disorders II: Intervention	3
	Total	31

Semester 6

Code	Course Name	Credits
040APSLL6	Assessment Principles in SLT	2
040CASLL6	Clinical Approach to SLT VI	2
040FLDIL6	Fluency Disorders	4
040LIALL6	Language Intervention in Adults with Acquired Language Disorders	2
Not scheduled	Development of Prelogical and Logical Reasoning	1
040PRINL6	Practicum and Internships II	4
040RMPML6	Research Methods: Concepts and Methodology	2
040VOMAL6	Voice Management II	2
040MSLTL6	Mediation in SLT II	2
040PIR2L6	Practical Introduction to Research II	2
040INTVL5	SLT Intervention in Children with Hearing Impairment	3
	Total	26

Semester 7

Code	Course Name	Credits
040BIOEL7	Bioethics	2
040CLAPL7	Clinical Approach to SLT VII	2
040IADML7	Clinical Intervention and Decision-Making in SLT	2
040DINPL7	Diagnostic Investigations in Psychology	2
040DIPTL7	Diagnostic Investigations in Psychomotor Therapy	1
040SELAL7	English Level A	4
040EFSIL7	Executive Functions in SLT Intervention	2
040PRP1L7	Preliminary Research Project (1)	2

040RMPRL7	Research Methods: Types and Quantitative Designs	2
040AICML7	SLT Assessment and Intervention in Math Cognition Developmental Disorders	2
040AISTL7	Artificial Intelligence in Speech Therapy: Applications and Prospects	2
065CLS2M4	Specific Terminologies: Advanced Arabic Language Course (CLAS)	2
	Total	25

Semester 8

Code	Course Name	Credits
040APPRL8	Clinical Approach to SLT VIII	2
040DEONL8	Deontology and Legislation	2
040INTNL8	Institutional Internship - SLT	5
065EC2SM3	Introduction to Health Policy and Systems	2
040MRUDL8	Medical Research Updates about Developmental Disorders	3
040PRLML8	Preliminary Research Project (2)	3
040PRACL8	Research Methods: Statistics	2
040SCPIL8	Specialized Communication and Public Information	1
040STCIL8	Speech and Language Therapy University Clinics	7
	Leadership, Innovation and Professionalism	2
	Total	29

COURSE DESCRIPTION

040ISLTL5	AAC: Intervention in Speech and Language Therapy	1 Cr.
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This required course aims to enable students to:

- Acquire knowledge about the SLP's role in an AAC intervention team;
- Choose and develop an AAC system suitable to the user's needs;
- Develop intervention plans suitable to the individual needs;
- Gain information about AAC intervention in different pathologies and disabilities

This course contributes to the development of the following competencies:

- Clinical approach: perform appropriate interventions in the AAC field;
- Collaboration: collaborate with different therapists to establish appropriate intervention adapted to the context, and suited to each individual;
- Communication: Provide health professionals, parents and the patient's environment with information about the specificities of the disorders encountered and their impact on the individual's life, for prevention and screening purposes.

Prerequisite: Augmentative and Alternative Communication: Theoretical Issues and Assessment in SLT (040AAACL4)

040ADPSL3	Adult Psychiatry	3 Cr.
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The course delves into the multifaceted psychopathological disorders seen in adults, exploring the interplay of psychological, biological, and social factors influencing their onset and persistence. It aims to provide a comprehensive understanding of these issues, presenting each disorder with diagnostic criteria, associated risk factors, and an overview of treatment options. By the course's end, speech therapy students will develop the essential skill of identifying key symptoms of psychiatric disorders, allowing them to refer individuals to appropriate professionals when needed. Additionally, students will learn to recognize clinical scenarios and analyze cases through composing clinical observations.

040ALSAL3	Advanced Linguistics: Syntax Analysis I	3 Cr.
<p>This required course offers practical sessions focused on syntactic analysis in English, Lebanese Arabic, and French languages. It emphasizes recognizing and describing key syntactic structures in these languages. The primary objective is to equip students with the skills to identify syntactic aspects affected by language disorders, thereby improving their effectiveness as speech and language pathologists.</p> <p>Prerequisites: Introduction to Linguistics (040LINSL2), Phonetics I (040PHO1L2)</p>		
040ALSAL4	Advanced Linguistics: Syntax Analysis II	2 Cr.
<p>This required course serves as the continuation of Advanced Linguistics: Syntactic Analysis I. Structured around four themes corresponding to the six themes explored in Syntactic Analysis I, this course provides the students with the knowledge to:</p> <ul style="list-style-type: none"> - Acquire current and adapted linguistic terminology; - Analyze and critically evaluate information collected on the typical acquisition of syntax in adults; - Recognize and describe the major syntactic constructions of French, English and different varieties of modern Arabic, with a specific focus on the Lebanese dialect; - Identify the syntactic aspects affected by language disorders. <p>Prerequisites: Advanced Linguistics: Syntax Analysis I (040ALSAL3)</p>		
040APPSL1	Anatomy and Physiology of Speech	2 Cr.
<p>This course aims to enhance students' comprehension of fundamental sciences, aiding in the clinical evaluation and treatment of voice disorders in speech therapy. Additionally, it provides essential clinical insights for effective collaboration within voice therapy teams.</p>		
040APPAL1	Anatomy, Physiology and Pathology of the Auditory System	3 Cr.
<p>This course aims to enhance students' comprehension of fundamental sciences to better support the clinical assessment and intervention process in speech therapy for individuals with auditory impairments. Additionally, it provides students with essential clinical knowledge to effectively collaborate with other therapists.</p>		
040ARENL2	Arabic for SLT	2 Cr.
<p>This course spans one academic semester and includes between 10-12 in-person lessons, equivalent to approximately 12.5 to 15 instructional hours. It is designed for students enrolled in the Speech and Language Therapy program at the Higher Institute of Speech and Language Therapy (ISO). The course aims to help students master spoken and written Arabic, which is essential for their future profession. This is achieved through exercises and games that encourage students to think deeply about the formation of words and sentences.</p>		
435LALML2	Arabic Language and Media	2 Cr.
<p>This course allows students to explore the Arabic language and its culture in a flexible and engaging manner. It provides an avenue to delve into the uses of the Arabic language in visual, auditory, and written media, such as journalism, as well as in visual, auditory, and written advertisements. Through this, students gain linguistic skills, both oral and written, that are beneficial in a practical and tangible way.</p>		
040AMSDL3	Articulation and Motor Speech Disorders	2 Cr.
<p>This required course focuses on articulation and motor speech disorders, covering their classifications, symptoms, and underlying genetic and neurological causes. By the end of the course, students will be equipped to assess, diagnose, and treat these disorders, distinguishing them from similar conditions. This course contributes to the development of the following competencies:</p> <ul style="list-style-type: none"> - Clinical approach: Students will learn to conduct interventions for screening and assessments in speech and language therapy within a clinical framework; - Collaboration: Emphasis is placed on collaborating with various therapists to establish appropriate interventions tailored to individual contexts; 		

- Research: Students will actively engage in clinical research processes, contributing to the advancement of linguistic knowledge and strengthening speech and language therapy practices in Lebanon.

Prerequisites: Anatomy and Physiology of Speech (040APPSL1)

040AISTL7	Artificial Intelligence in Speech Therapy: Applications and Prospects	2 Cr.
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This course is part of the initial training curriculum in speech therapy, in semester 7. It is a closed elective. It allows students to explore the numerous ways in which AI can be used to enhance practices in speech therapy. Students explore how generative AI can be used to create content, language, and useful resources in the field of speech therapy. The course emphasizes practical applications, tools, and the ethical implications of using generative AI in the context of rehabilitation and communication.

040CLDAL4	Assessment of Communication and Language Disorders	2 Cr.
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This required course provides students with an introduction to assessing oral language and speech components, including phonology, vocabulary, and syntax. It covers assessment procedures, data interpretation, and report writing.

Prerequisites: Communication and Oral Language Development (040COLDL1)

040APSSL6	Assessment Principles in SLT	2 Cr.
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This course emphasizes the use of evidence-based practices in both evaluation and intervention, aligning with key recommendations from health organizations and speech-language therapy professionals. To effectively support clinical decisions, SLTs must adhere to a comprehensive methodology tailored to their patients' unique contexts and environments. Rooted in clinical vignettes within the multicultural and multilingual Lebanese setting, this course aims to equip students with the skills to apply reflective methodologies in evaluation and to develop scientifically-grounded intervention plans. This course contributes to the following learning achievements:

- Perform screenings and assessments in speech and language therapy using a clinical approach;
- Collaborate with various therapists to develop tailored interventions suitable for each individual's needs;
- Inform healthcare professionals, parents, and the patient's environment about the specific disorders encountered and their impact on the individual's life for prevention and screening;
- Develop intervention programs and protocols tailored to each individual case;
- Adhere to ethical code in the practice of speech and language therapy.

Prerequisites: Assessment of Communication and Language Disorders (040CLDAL4) & Written Language Disorders II: Intervention and Collaboration (040WLDIL6)

040ASARL4	Atypical Swallowing	1 Cr.
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This course covers the following topics:

- Physiopathology of tongue thrust, its multifactorial etiology, and its frequent association with malocclusions;
- Assessment and management of atypical swallowing in both adults and children;
- Fundamental treatment principles for addressing atypical swallowing and orofacial myofunctional disorders;
- Emphasizing the significance of a multidisciplinary approach in treatment.

Prerequisites: Anatomy and Physiology of Speech (040APPSL1) & Orthodontics and Facial Stomatology (040OTOML2)

040AAACL4	Augmentative and Alternative Communication: Theoretical Issues and Assessment in SLT	1 Cr.
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This required course allows students to:

- Acquire knowledge about the SLP's role in AAC;
- Learn about various AAC systems and tools;
- Develop the ability to recognize the skills necessary for AAC users;
- Select and implement appropriate assessment plans and tools tailored to individual needs.

Prerequisites: Communication and Oral Language Development (040COLDL1)

040BIOEL7	Bioethics	2 Cr.
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This course is designed to equip students with a structured method for ethical analysis, fostering an ethical framework for navigating therapeutic scenarios marked by potential value conflicts. Through this approach, students will explore key contemporary bioethical issues, applying their ethical reasoning to real-world situations at the intersection of human life (beginning and end) and in the context of patient care. This includes scenarios specific to the practice of both speech and language and psychomotor therapy.

040CAPSL3	Child and Adolescent Psychiatry	3 Cr.
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This required course provides students with an understanding of psychopathological issues affecting children and adolescents. Each disorder is examined, including diagnostic criteria, risk factors, and treatment options. The objective is to recognize key symptoms of prevalent psychiatric disorders and know when to seek professional assistance.

Prerequisite: Developmental and Social Psychology (040DV SPL1)

040SEMIL1	Clinical Approach to SLT I	2 Cr.
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This required course is a pre-requisite for the year 2 practicums and other related courses: Articulation and Motor Speech Disorders, Developmental Communication and Language Disorders: Introduction, etc. It enables students to bridge the gap between their theoretical knowledge and practical observations in a training setting.

040SEMIL2	Clinical Approach to SLT II	2 Cr.
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This required course, building upon “Clinical Approach in Speech Therapy I”, helps students bridge theoretical knowledge with clinical observations. It aims to cultivate their expertise in knowledge, professional conduct, and practical abilities while fostering proficiency in oral and written communication—crucial skills in speech therapy.

Prerequisite: Clinical Approach to SLT I (040SEMIL1)

040CLAPL3	Clinical Approach to SLT III	2 Cr.
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This required course enables students to bridge theoretical knowledge with practical observations during their training, fostering the development of clinical skills and expertise.

Prerequisites: Clinical Approach to SLT I (040SEMIL1) & II (040SEMIL2)

040CAP4L4	Clinical Approach to SLT IV	2 Cr.
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This required course enables students to bridge theoretical knowledge with practical observations during their training, fostering the development of clinical skills and expertise.

Prerequisite: Clinical Approach to SLT III (040CLAPL3)

040CLNWL5	Clinical Approach to SLT V	3 Cr.
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This required course allows students to:

- Develop a clinical approach to evaluation and intervention;
- Apply pathology-related knowledge and scientific data to support clinical work;
- Develop an analytical approach to practical experience while learning principles of Evidence-Based Practice.
- This course contributes to the development of the following competencies:
 - Clinical approach: Conducting screening, evaluation, and care procedures in speech-language therapy;
 - Collaboration: Working with educators, psychomotor therapists, and psychologists in internship settings to establish comprehensive intervention plans;
 - Communication skills: Informing educators and other stakeholders about specific issues encountered and their impact on patients’ lives to prevent and detect problems;
 - Therapeutic relationship: Establishing and maintaining meaningful therapeutic relationships with patients;
 - Research: Implementing protocols based on relevant theories to ensure rigorous rehabilitation;
 - Professionalism: Adhering to ethical and deontological principles throughout therapeutic actions.

Prerequisites: Clinical Approach to SLT III (040CLAPL3) & IV (040CAP4L4)

040CASLL6	Clinical Approach to SLT VI	2 Cr.
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This required course allows students to:

- Develop a clinical approach for evaluation and intervention;
- Apply pathology knowledge and scientific data to support their clinic work;
- Develop an analytical approach with Evidence-Based Practice principles while analyzing their practicum experiences.

Prerequisites: Clinical Approach to SLT V (040CLNWL5) & Practicum and Internships I (040PRINL5)

040CLAPL7	Clinical Approach to SLT VII	2 Cr.
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This course is part of the curriculum for SLT training in semesters 7 and 8. It aims at developing in students a clinical approach to evaluation and SLT intervention with children or adults presenting with various disorders (e.g., communication, language, voice). Students should learn to take into account the patient's context: family, school, and other members of the multidisciplinary team.

Prerequisites: Practicum and Internship I (040PRINL5) & II (040PRINL6)

040APPRL8	Clinical Approach to SLT VIII	2 Cr.
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This course is part of the SLT training curriculum during semesters 7 and 8. Its objective is to cultivate a clinical approach in students for evaluating and intervening in speech-language therapy with children or adults who have diverse disorders such as communication, language, or voice issues. Emphasis is placed on considering the patient's context, including family dynamics, educational environment, and collaboration with other professionals within the multidisciplinary team.

Prerequisites: Practicum and Internship I (040PRINL5) & II (040PRINL6)

040IADML7	Clinical Intervention and Decision-Making in SLT	2 Cr.
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This required course, offered in semester 7, requires the completion of the prerequisite course "Assessment Principles in SLT" (semester 6). Building upon previous learnings about assessment methodology and the selection of evaluation tools, this course focuses on applying Evidence-Based Practice in clinical decision-making. While the primary aim of assessment is to establish a diagnosis, its ultimate goal is to develop an effective intervention plan grounded in scientific evidence. Given the vast array of resources available, this can present a challenge for SLTs. Throughout the course, students will gain proficiency in selecting appropriate evaluation tools, defining objectives, and devising intervention strategies tailored to meet the unique needs of individual patients.

Prerequisites: Take CDSO internship in parallel, otherwise attend classes without registering nor passing the exam.

Communication Disorders and Autism4 Cr.
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Prerequisites: Communication and Language: Introduction (& Assessment of Communication and Language Disorders (040DCLDL3)

040COLDL1	Communication and Oral Language Development	2 Cr.
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This course explores child communication and language development, emphasizing the critical role of social and communication skills for children's overall growth. It offers a scientifically grounded theoretical for understanding communication, speech, and language acquisition, enabling students to grasp how children develop and enhance these skills in their formative years. By imparting this knowledge, students gain insights into the development of children with atypical patterns, fostering a deeper understanding of diverse developmental pathways.

040DEONL8	Deontology and Legislation	2 Cr.
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This general education course, offered in semester 8, provides students with an introduction to legal issues and regulations relevant to the medical field. Topics covered include: history of law, contract law, tax law, labor law and other legal matters essential for SLTs in their daily practice.

040DVSPL1	Developmental and Social Psychology	3 Cr.
<p>This general education course, offered in semester 1, includes theoretical sessions focusing on core developmental psychology topics. It also incorporates practical sessions to facilitate discussions on case studies and the application of theory in understanding psychology within multidisciplinary contexts, particularly in areas related to speech and language therapy.</p>		
040MRUDL8	Medical Research Updates About Developmental Disorders	3 Cr.
<p>Developmental disorders are common challenges faced by speech therapists in their daily practice. This course focuses on updating knowledge about developmental disorders, emphasizing their assessment and management. Its goal is to enable students to understand these disorders within the broader context of neurodevelopment, facilitating better communication with colleagues and parents of patients. Emphasizing research updates over comprehensive literature reviews, the course aims to equip students with practical insights.</p>		
040SIDCL5	Developmental Language Disorders	3 Cr.
<p>This required course, offered in semester 5, delves deeply into developmental language disorders affecting children's development, covering aspects such as terminology history, etiology, and prevalence. Students will gain proficiency in recognizing the characteristics and signs of Developmental Language Disorder (DLD) and will learn diagnostic procedures. The importance of early intervention, various intervention techniques, and the speech therapist's role within the multidisciplinary team and in interactions with parents are also explored.</p> <p>Prerequisites: Communication and Language: Introduction (040DCLDL3) & Assessment of Communication and Language Disorders (040CLDAL4)</p>		
040DINPL7	Diagnostic Investigations in Psychology	2 Cr.
<p>This course covers theoretical and practical sessions on psychological assessments for children, adolescents, and adults. Students will explore various tests and scales through case studies, gaining familiarity with their application. The course aims to equip students with a broader perspective for addressing complex situations requiring multidisciplinary interventions.</p>		
040DIPTL7	Diagnostic Investigations in Psychomotor Therapy	1 Cr.
<p>This course offers speech therapy students an overview of psychomotor disorders and the associated diagnostic tests. By the end of the course, students will be able to:</p> <ul style="list-style-type: none"> - Interpret psychomotor assessments effectively; - Apply collected psychomotor assessment data in clinical practice. 		
040ENENL1	English for SLT I	3 Cr.
<p>This comprehensive course aims to enhance students' grasp of the English language, equipping them to provide tailored linguistic interventions for patients in the future. Through various exercises and activities, students will improve their fluency and confidence in English communication while learning to adapt their linguistic approach to meet the needs of diverse patients.</p>		
040ENSL2	English for SLT II	4 Cr.
<p>The second part of this comprehensive course further deepens your understanding of the English language, empowering students to provide personalized linguistic interventions for patients.</p>		
040SELAL7	English Level A	4 Cr.
<p>This course aims to enhance critical thinking, reading, oral, and writing skills. It focuses on synthesizing information from various sources to produce research papers and effectively present them. Emphasis is placed on analyzing different types of texts relevant to various disciplines, as well as on synthesizing diverse information to create written and oral presentations.</p>		

040EFSIL7	Executive Functions in SLT Intervention	2 Cr.
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This course is designed to explore the key components of executive functions (EF) and their neurodevelopment, including dysexecutive syndrome. It also examines the implications of EF in various fields such as oral and written languages, as well as the assessment and rehabilitation of core cognitive components (inhibition, working memory, mental flexibility, and planning). Students will analyze clinical cases comprehensively. Learning objectives include:

- Conducting EF assessments in SLT.
- Developing intervention programs tailored to individual EF cases.
- Collaborating with stakeholders to establish appropriate interventions.
- Providing parental guidance to enhance patients' quality of life.

Prerequisites: Practicum and Internship I (040PRITL5) & II (040PRINL6) and take in parallel CDSO internship.

040FASDL5	Feeding and Swallowing Disorders III - Dysphagia	2 Cr.
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This course comprises two modules:

- The "Swallowing Disorders of Neurological and Neurodegenerative Origin" module: It explores swallowing and its associated disorders, covering their assessment, management, and the multidisciplinary approach to identification in adults;
- The "Upper Aerodigestive Tract Cancer-Related Dysphagia" module: It offers an overview of the evaluation and management of swallowing issues, guiding responsible decision-making for dysphagia service provision. Emphasizing a multidisciplinary approach, it prioritizes patient safety.

Prerequisites: Management of Feeding and Swallowing Disorders (040MFSDL3) & Atypical Swallowing (040ASARL4)

040FLDIL6	Fluency Disorders	4 Cr.
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This required course, offered in semester 6, allows students to:

- Gain scientific and clinical understanding of stuttering and cluttering;
- Familiarize themselves with assessment tools and procedures;
- Develop intervention plans tailored to individual needs;
- Recognize the significance of collaboration with the patient's environment for optimal therapy outcomes.

Prerequisites: Communication and Language: Introduction (040DCLDL3) & Assessment of Communication and Language Disorders (040CLDAL4)

040FUNEL2	Functional Neuroanatomy	2 Cr.
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This course offers a comprehensive understanding of the anatomy and function of both the central and peripheral nervous systems in humans, emphasizing their clinical significance.

040GNTSL3	Genetic Syndromes	3 Cr.
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This required course, offered in semester 4, allows students to:

- Learn about communication and language acquisition in individuals with genetic disorders and intellectual disabilities;
- Develop skills in conducting communication and language assessments for individuals with genetic disorders and intellectual disabilities;
- Gain valuable insights into collaboration between speech-language pathologists (SLPs) and various stakeholders involved in supporting individuals with genetic disorders and intellectual disabilities.

Prerequisites: Pediatrics and Genetics (040PEGEL2), Communication and Oral Language Development (040COLDL1)

040INTNL8	Institutional Internship - SLT	5 Cr.
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This course, spanning over semesters 7 and 8, aims to cultivate a clinical approach to speech therapy evaluation and intervention for patients with diverse communication and language disorders, whether oral or written. It emphasizes considering patients' familial, educational, and multidisciplinary team contexts. By the end of this course, students will demonstrate competency in:

- Clinical approaches: Choosing, explaining, and mastering evaluation and intervention methods for communication/language disorders;

- Therapeutic relationship and professionalism: Recognizing the significance of therapeutic relationships and ethics, employing reasoned and critical thinking grounded in scientific literature;
- Collaboration and communication skills: Collaborating with various therapists through tailored interventions, exchanging information, and establishing coherent therapeutic goals to enhance patient communication and overall progress.

Prerequisites: Practicum and Internship II (040PRINL6)

040IBREL4	Interactive Book Reading	2 Cr.
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This course, offered in semester 4, allows students to:

- Understand the Interactive Book Reading technique;
- Grasp the specific objectives associated with this technique;
- Familiarize themselves with the five competencies targeted during therapy;
- Develop the ability to identify individuals who can benefit from employing this technique.

040CLDIL4	Intervention for Communication and Language Disorders	2 Cr.
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This required course, offered in semester 4, aims to introduce students to interventions related to oral language and speech components (such as phonology, vocabulary, syntax). It familiarizes them with addressing difficulties in oral language, measuring effectiveness, and implementing generalization techniques. Prerequisites for this course include: Introduction to Communication and Oral Language Development, Clinical Approaches I and II, and Introduction to Communication and Language Disorders.

Prerequisites: Communication and Language: Introduction (040DCLDL3)

040DCLDL3	Communication and Language Disorders: Introduction	4 Cr.
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This required course, offered in semester 3, provides an introduction to Developmental Communication and Language Disorders (DLD). It covers the etiology, semiology, and classifications of DLD. Through this course, students will:

- Explore models of health and disability within society;
- Learn about key developmental disorders of speech, language, and communication;
- Understand the broader impacts of speech, language and communication difficulties;
- Recognize the importance of studying individuals with speech, language, and communication difficulties.

Prerequisites: Communication and Oral Language Development (040COLDL1) & Practicum II (040PRACL2)

040ITESL1	Introduction to Education Sciences	2 Cr.
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This course serves as an introduction to education, focusing on fundamental concepts and principles in education and development. Its purpose is to provide undergraduate students with practical experiences related to theories of development and education, as well as their connection to various aspects of learning.

065EC2SM3	Introduction to Health Policy and Systems	2 Cr.
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This course aims to equip students with fundamental knowledge of health policies and systems. It covers essential concepts, principles, and scientific skills necessary for enhancing healthcare systems to promote population health. Students are trained to anticipate future needs, adapt to evolving models of community health, and address emerging societal demands in health policy development. While public health professionals typically focus on proposing technical solutions to population health issues, this course acknowledges the complexity of public policy development. It explores the influence of factors such as power dynamics, interests, politics, and human rights on program development, policy creation, and implementation. Providing a comprehensive introduction to healthcare system structures and objectives, the course also examines the role of power and processes in shaping health policies.

040LINSL2	Introduction to Linguistics	3 Cr.
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Language plays a crucial role in human activity, facilitating communication, abstract thought, creativity, and problem-solving. This course introduces students to linguistics and its relevance to their future roles as speech and language therapists. It covers core subfields of linguistics, including phonetics, phonology, morphology, syntax,

semantics, narratives, and pragmatics, which are essential for understanding language structure and function. These subfields serve as a foundation for further exploration in areas such as sociolinguistics, psycholinguistics, language variation, and language change. By familiarizing students with linguistic terminology and concepts, the course prepares them to effectively apply this knowledge in speech therapy practice and future research endeavors.

040ITLDL4	Introduction to Literacy Development	2 Cr.
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This course introduces instructional strategies that adhere to the latest research-supported practices in literacy education. Topics covered include scientifically based literacy research, early literacy development, and literacy assessment. Additionally, we'll explore aspects of the Arabic language, such as diglossia, morphology, orthography, and vowelization, which impact the learning process of reading.

040INOTL4	Introduction to Occupational Therapy	1 Cr.
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This course aims to raise awareness of the common occupational challenges experienced by individuals with disabilities. Through reflection on various dimensions including the individual, their environment, and their occupations, we seek to understand the interactions and impacts on occupational performance. Students will also gain insight into the role of occupational therapy and opportunities for collaboration within the healthcare team.

040ISLTL1	Introduction to Speech and Language Therapy	2 Cr.
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This course serves as an introduction to SLT, aiming to define the profession and outline its diverse areas of practice. It covers the scope of competence within SLT, delves into the profession's history in Lebanon and globally, and includes self-reflection on professional development.

040LCCPL4	Language and Communication Profiles in Individuals with Cerebral Palsy: Assessment and Intervention	3 Cr.
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The objective of this course is to expand the understanding of the diverse language and communication profiles observed in children and adolescents with cerebral palsy (CP). Sessions primarily address communication development, encompassing speech and language domains, and examine the relationship between communication skills and motor/cognitive challenges.

Prerequisites: Functional Neuroanatomy (040FUNEL2) & Pediatrics and Genetics (040PEGEL2)

040LAADL5	Language Assessment in Adults with Acquired Language Disorders	3 Cr.
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This course aims to present to Bachelor in Speech and Language Therapy students (Year 3) an overview of the evaluation and management of swallowing and feeding problems, also known as dysphagia. As speech therapists, we play a critical role in identifying and treating dysphagia, which can impact individuals of all ages and can result in serious health complications. We would cover the basics of dysphagia and swallowing disorders, including the most common types and their symptoms. We would then explore the impact of these disorders and discuss various assessment and intervention strategies that speech therapists can use to address these issues. We would also touch on ethical and legal considerations that may arise when working with patients with dementia, and emphasize the importance of early detection and treatment. Overall, this presentation would provide speech therapy students with a comprehensive overview of the key concepts and skills they need to effectively work with patients with swallowing disorders. This course directly addresses both assessment and therapies/ education methods used in SLT and family guidance.

Prerequisites: Functional Neuroanatomy (040FUNEL2) & Communication and Language: Introduction (040DCLDL3)

040LIALL6	Language Intervention in Adults with Acquired Language Disorders	2 Cr.
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This course is offered in the third year of the Bachelor in Speech and Language Therapy program as a required core subject in acquired adult language pathology. It is a fundamental course for understanding the link between brain function and language disturbances following brain injury and serves as a prerequisite for the adult internship in the fourth year. It allows students to discover and understand the work of speech therapists in adult neurology, both in acute hospital settings and in rehabilitation for long-term follow-up. By the end of this course, students

will be ready to use the acquired knowledge for evaluation, writing assessment reports using appropriate aphasia terminology, and establishing baseline measures if therapy is needed. They will also learn to adapt to the specificities and constraints of the Lebanese dialect and the issue of multilingualism in Lebanon.

Prerequisites: Language Assessment in Adults with Acquired Language Disorders (040LAALL5)

040MFSDL3	Management of Feeding and Swallowing Disorders	3 Cr.
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This course is a required subject offered to students enrolled in the Bachelor in Speech and Language Therapy program and serves as a foundation for the training of speech therapists who wish to work with children or young people with disabilities who have feeding and swallowing difficulties.

Prerequisite: Anatomy and Physiology of Speech (040APPSL1)

040DAMCL6	Math Cognition Developmental Disorders	2 Cr.
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This required course, offered in semester 6, focuses on understanding the normal development of mathematical thinking in children. Throughout this course, students will learn relevant terminology and gain knowledge about typical thought processes and mathematical concepts. They will grasp the fundamentals of a number system, the developmental stages of numbers in children, and the acquisition of counting and arithmetic operations. Additionally, students will comprehend the logical operations underlying these procedures and explore the characteristics of mathematical word problems, examining the correlation between language and mathematical acquisition. The course also introduces theoretical models such as the ADAPT model for transcoding and the Ménissier model for problem-solving.

Key competencies developed include:

- Recognizing the components of a number system;
- Comparing a child's number development and logical skills to typical development and linking each level to the necessary prerequisites;
- Analyzing transcoding errors;
- Analyzing counting strategies;
- Understanding concepts and analyzing the procedures of arithmetic operations;
- Analyzing word problems and adapting them to a child's level;
- Understanding the impact of language on the interpretation of mathematical language.

040MSLTL3	Mediation in SLT I	2 Cr.
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This course aims to familiarize students with various mediation techniques in SLT to enhance their clinical approach. It encompasses a blend of theoretical insights and practical sessions facilitated by experienced SLTs.

040MSLTL6	Mediation in SLT II	2 Cr.
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This required course, offered in semester 6, serves to:

- Enhance students' clinical approaches by employing various tools and interventions (such as books, play, music, and drawing) in accordance with the patient's age and pathology, while adhering to the intervention plan;
- Foster creativity through the utilization of diverse interventions in session preparation.
- This course contributes to the development of the following competencies:
- Clinical approach: Design and evaluate sessions incorporating diverse interventions (such as books, play, music, and drawing);
- Communications skills: Justify and articulate intervention choices effectively;
- Therapeutic relationship: Establish and sustain a good relationship with the patient.

Prerequisites: Practicum IV (040PRA4L4) & Mediation in SLT I (040MSLTL3)

040PANEL3	Neurological Disorders	3 Cr.
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This course provides students with a solid understanding of prevalent disorders of the nervous system encountered in clinical practice. It covers the causes, diagnoses, and intervention strategies for both adult and pediatric neurological disorders. By delving into the disrupted brain mechanisms underlying speech and language impairments, students gain insight into how these disorders manifest in patients. This familiarity enhances their

ability to address the needs of individuals with speech and language impairments resulting from neurological conditions.

Prerequisites: Functional Neuroanatomy (040FUNEL2)

040OPORL1	Ophthalmology	1 Cr.
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This course covers the anatomy, physiology, and common diseases impacting the eyes, emphasizing the collaborative role of SLTs and orthoptists, especially in supporting children with learning disabilities.

040ORSTL2	Orthodontics & Facial Stomatology	2 Cr.
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This course introduces students to dental medicine terminology and the classification of various types of malocclusions.

040PEGEL2	Pediatrics and Genetics	2 Cr.
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This course offers a foundational understanding in the following areas:

- General knowledge essential for comprehending typical child development and identifying potential pathologies that may necessitate screening and early intervention;
- Fundamental concepts in human genetics and various disorders;
- Processes pertinent to SLT.

040PHO1L2	Phonetics I	3 Cr.
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This course focuses on understanding the human vocal mechanism and the production of sounds, known as Articulatory Phonetics. It introduces concepts in phonology and sociophonetics, enabling students to distinguish and produce various sounds using the International Phonetic Alphabet (IPA). Examples from multiple languages and English and Arabic accents are utilized. Additionally, the course explores the significance of phonetics in speech therapy, providing techniques for identifying phonetic and phonological patterns in speech disorders.

040PHO2L2	Phonetics II	2 Cr.
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Building on Phonetics I, this course deepens students' comprehension of articulatory phonetics while refining their listening and transcription abilities. It introduces Acoustic Phonetics, which examines sound wave properties. Through the theoretical exploration of speech production and perception, students learn instrumental techniques for speech analysis, with a focus on spectrography, a widely used method. Lectures are complemented by laboratory sessions, offering a foundation in instrumental, acoustic, and advanced articulatory phonetics.

Prerequisites: Phonetics I (040PHO1L2)

040POSIL1	Polyphonic Singing I	2 Cr.
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This course aims to prepare the students to master their singing voice, a medium that will be useful for future speech therapy.

040POSIL2	Polyphonic Singing II	2 Cr.
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This course aims to prepare the students to master their singing voice, a medium that will be useful for future speech therapy.

040PIRSL5	Practical Introduction to Research I	2 Cr.
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This course provides students with a comprehensive understanding of practical research, covering essential steps, ethical considerations, methodologies, and materials. Through active participation, students engage in recruitment, data collection, and analysis, blending theoretical knowledge with hands-on experience to prepare for their final dissertation. The course aims to develop key research competencies, including:

- Demonstrating deep and systematic knowledge and application of theories and Evidence-Based Practices;
- Analyzing clinical practices within the framework of ethical principles, public health priorities, and evolving theoretical insights;
- Identifying, selecting, and utilizing scientifically sound data.

040PIR2L6	Practical Introduction to Research II	2 Cr.
<p>Building upon the Practical Introduction to Research I course, this course focuses on refining students' skills in data collection methods and analysis of results. It introduces the use of Microsoft Excel for creating tables and charts, offering both theoretical insights and practical exercises to equip students for their final dissertation.</p> <p>Prerequisite: Practical Introduction to Research I (040PIRSL5)</p>		
040PRACL1	Practicum I	1 Cr.
<p>Practicum I takes place in a regular school setting, providing students with the opportunity to:</p> <ul style="list-style-type: none"> - Gain insight into school operations; - Observe the development of typically developing children. <p>This course is mandatory and serves as a prerequisite for Practicums III and IV.</p>		
040PRACL2	Practicum II	1 Cr.
<p>This course is offered to speech therapy students in the second semester of the first year. Internship II includes three successive placements: the first takes place in a daycare center and aims to discover how a daycare operates and to observe various areas of child development; the second takes place with an ENT doctor; and the last one is in a private practice with a speech therapist. The internship is mandatory and serves as a prerequisite for Internships III and IV.</p> <p>Prerequisite: Practicum I (040PRACL1)</p>		
040PRACL3	Practicum III	3 Cr.
<p>This required course, offered in semester 3, enables students to enhance their skills and clinical knowledge through practical experience. It is a prerequisite for Practicum IV and requires the completion of Practicums I and II.</p> <p>Prerequisite: Practicum II (040PRACL2), Communication and Oral Language Development (040COLDL1)</p>		
040PRA4L4	Practicum IV	3 Cr.
<p>This required course, offered in semester 3, enables students to bridge theoretical knowledge with practical training observations. It fosters the development of essential competencies, including:</p> <ul style="list-style-type: none"> - Clinical approach: Conduct screening and assessments in SLT within a clinical framework; - Collaboration: Collaborate with different stakeholders to tailor interventions to individual contexts; - Communication skills: Provide information to healthcare professionals, parents, and the patient's support network regarding specific disorders and their impact for prevention and screening; - Therapeutic relationship: Establish and maintain valuable therapeutic connections with patients and their families; - Research: Actively engage in clinical research to enhance linguistic knowledge and advance SLT in Lebanon; - Professionalism: Adhere to ethical codes in the practice of SLT. <p>Prerequisite: Practicum III (040PRANL3)</p>		
040PRINL5	Practicum and Internships I	4 Cr.
<p>This required course, offered in semester 5, allows students to:</p> <ul style="list-style-type: none"> - Develop an evaluation and intervention clinical approach; - Utilize pathology-related knowledge and scientific data to support clinical work; - Refine analytical skills in practicum settings while becoming acquainted with Evidence-Based Practice principles. <p>Prerequisites: Intervention for Communication and Language Disorders (040CLDIL4) & Practicum IV (040PRA4L4)</p>		
040PRINL6	Practicum and Internships II	4 Cr.
<p>This required course, offered in semester 6, allows students to:</p> <ul style="list-style-type: none"> - Develop an evaluation and intervention clinical approach; - Utilize pathology-related knowledge and scientific data to support clinical work; - Refine analytical skills in practicum settings while becoming acquainted with Evidence-Based Practice principles. <p>Prerequisites: Clinical Approach to SLT V (040CLNWL5) & Practicum and Internships I (040PRITL5)</p>		

040PRP1L7	Preliminary Research Project (1)	2 Cr.
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This course is designed to cultivate a research-oriented mindset in students, meeting dual objectives: academic rigor, ensuring compliance with research standards in speech therapy or medical sciences, and practical proficiency for professional research. By the course's conclusion, students will be equipped to actively participate in clinical research endeavors aimed at advancing linguistic knowledge and the speech and language therapy profession in Lebanon. This entails considering contextual nuances, employing quantitative reasoning, and fostering critical thinking skills.

Prerequisites: Practicum and Internships I (040PRITL5) & II (040PRTIL6)

040PRLML8	Preliminary Research Project (2)	3 Cr.
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This course is designed to cultivate a research-oriented mindset in students, meeting dual objectives: academic rigor, ensuring compliance with research standards in speech therapy or medical sciences, and practical proficiency for professional research. By the course's conclusion, students will be equipped to actively participate in clinical research endeavors aimed at advancing linguistic knowledge and the speech and language therapy profession in Lebanon. This entails considering contextual nuances, employing quantitative reasoning, and fostering critical thinking skills.

Prerequisites: Practicum and Internships I (040PRITL5) & II (040PRTIL6)

040PRWCL5	Professional Report-Writing and Communication	2 Cr.
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This required course, offered in semester 5, focuses on enhancing students' written language skills for report writing in speech and language pathology. It aims to strengthen their abilities in professional writing, critical thinking, and proofreading. Additionally, students will learn to adapt their writing style based on the intended audience of the report, which may include parents, school administrators, SLTs, other paramedical professionals, or medical professionals.

Prerequisite: Practicum IV (040PRA4L4)

040PDPTL1	Psychomotor Development and Introduction to Psychomotor Therapy	3 Cr.
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This course aims to equip speech therapists with an understanding of psychomotor therapy, covering its definition, areas of intervention, clinical approach, and role within the paramedical team in relation to other therapists. Furthermore, it introduces students to the domains of psychomotor therapy intervention, enhancing their comprehension of its impact on children's learning outcomes. Lastly, the course enhances students' understanding of child psychomotor development, enabling them to better identify delays and factors influencing development.

040RMP1L2	Research Methods: Introduction to Research in Speech and Language Therapy	2 Cr.
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This course aims to introduce research methods and how to formulate research questions, helping students understand the principles of experimental design and basic statistics commonly used in SLT clinical practice.

040RMPCL4	Research Methods: Scientific Reading and Critical Appraisal	2 Cr.
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This course aims to introduce research methods and the formulation of research questions, with a focus on understanding the outcomes of Evidence-Based Practice. Students will learn how to formulate research questions, understand research designs, and conduct critical appraisals.

Prerequisite: Research Methods: Introduction to Research in Speech and Language Therapy (040RMP1L2)

040RMPSL5	Research Methods: Introduction to Statistical Tests	2 Cr.
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Prerequisite: Research Methods: Introduction to Research in Speech and Language Therapy (040RMP1L2)

040RMPML6	Research Methods: Concepts and Methodology	2 Cr.
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This course aims to introduce students to research methods and the process of formulating research questions. It guides students in developing research questions, crafting hypotheses, and planning their research methodologies within the field of SLT.

Prerequisite: Research Methods: Scientific Reading and Critical Appraisal (040RMPCL4)

040PRACL8	Research Methods: Statistics	2 Cr.
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Offered in semester 8, this course focuses on equipping fourth-year students with skills in designing, analyzing, and interpreting statistical data using the IBM SPSS 25.0.0 software. Through practical exercises, students learn to input data into IBM SPSS 25.0.0 and apply normality and parametric statistical tests, preparing them for the statistical aspects of their final year projects.

Prerequisite: Research Methods: Introduction to Statistical Tests (040RMPSL5)

040RMPRL7	Research Methods: Types and Quantitative Designs	2 Cr.
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This course aims to introduce the fundamental principles of quantitative and qualitative research, as well as systematic review methodology. Research in SLT differs from that of other professions such as medicine or psychology. SLTs often prioritize individual experiences, which is crucial in a healthcare landscape valuing patient satisfaction and personalized care. While quantitative methods are effective for certain inquiries, such as evaluating intervention efficacy, they may not suffice alone. Understanding how interventions work, including their feasibility, acceptability, and transferability, is increasingly vital. Qualitative methods, when conducted properly, can provide this insight. This course directly addresses both research methods used in SLT and communication disorders, along with systematic review techniques.

Prerequisite: Research Methods: Concepts and Methodology (040RMPML6)

040AICML7	SLT Assessment and Intervention in Math Cognition Developmental Disorders	2 Cr.
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In this course, students build upon their understanding of math cognition development, logical operations, and number systems to learn how to create evaluation plans, conduct assessments, and diagnose dyscalculia according to DSM-5 criteria. Additionally, they explore how deficits at different developmental levels impact children's performance and gain knowledge necessary for developing rehabilitation plans to address word problem challenges. By the end of the course, students will be proficient in:

- Conducting math-cognition assessment;
- Establishing a differential diagnosis;
- Writing assessment report;
- Analyzing clinical findings within theoretical frameworks;
- Identifying errors in word problems and devising appropriate remediation plans.

Completion of the prerequisite course "Math Cognition Developmental Disorders" is required.

Prerequisites: Math Cognition Developmental Disorders (040DAMCL6) & Development of Prelogical and Logical Reasoning

040AIHIL4	SLT Assessment in Individuals Who Are Deaf and Hard of Hearing	3 Cr.
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Offered in semester 4, this core course enables students to:

- Gain insight into audiology;
- Develop a clinical approach to SLT assessments for deaf and hard of hearing individuals, including both children and adults.

Prerequisites: Anatomy, Physiology and Pathology of the Auditory System (040APPAL1) & Communication and Oral Language development (040COLDL1)

040INTVL5	SLT Intervention in Children with Hearing Impairment	3 Cr.
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This required course, offered in semester 6, enables students to:

- Develop clinical skills in speech and language therapy intervention for both pediatric and adult populations who are deaf and hard of hearing.
- Gain essential clinical insights for collaboration with patients' families, various stakeholders, and healthcare professionals, particularly within cochlear implant centers.
- The course focuses on developing competencies in:
 - Conducting clinical screening, evaluation, and speech and language therapy interventions;
 - Collaborating effectively with diverse healthcare professionals to create comprehensive intervention plans tailored to individuals who are deaf and hard of hearing;

- Educating professionals, parents, and individuals associated with patients about the specifics of hearing loss, related challenges, and their impact on the patient's life for prevention and early intervention;
- Establishing and maintaining quality therapeutic relationships with patients and their families.

Prerequisites: Communication and Language: Introduction (040DCLDL3) & SLT Assessment in Individuals Who Are Deaf and Hard of Hearing (040AIHIL4)

040ICSL8	Specialized Communication and Public Information	1 Cr.
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This required course, offered in semester 8, focuses on enhancing students' critical thinking regarding the use of social media in the field of SLT. It covers understanding relevant policies and ethical considerations governing online behavior. Students will learn to discern appropriate and inappropriate social media posts and to create content aligning with professional standards.

040STCIL8	Speech and Language Therapy University Clinics	7 Cr.
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This required course, offered in semesters 7 and 8, aims to cultivate a clinical approach in students for evaluating and intervening in speech therapy cases involving various communication/language disorders (oral or written). It emphasizes considering the patient's broader context, including family dynamics, educational environment, and collaboration within a multidisciplinary team. Prerequisites for this course include completion of Practicum and Internship I and II.

Prerequisite: Practicum and Internship I (040PRITL5) & II (040PRINL6)

065CLS2M4	Specific Terminologies: Advanced Arabic Language Course (CLAS)	2 Cr.
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This course is part of the Master in Psychomotor Therapy (Institute of Psychomotor Therapy) and is open to bachelor students at the Higher Institute of Speech and Language Therapy. This course contributes to the development of the following competencies in students at the program level:

- Continue their professional development.
- Work in a multidisciplinary team.

The aim of this course is to improve the understanding of the specialized Arabic language and its technical terms in the field of rehabilitation (particularly in psychomotor therapy and speech and language therapy) and to use them correctly and effectively to conduct a conversation or an oral presentation in a professional context, as well as to produce properly structured professional writing.

040TKUIL1	Toolkit for University Integration	2 Cr.
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This required course serves as a crucial initiation for new students embarking on their higher education journey. It consists of two main components:

- The first part, spanning two days before the start of the first semester, focuses on university integration. Its objective is to facilitate a seamless transition for new students at ISO by familiarizing them with USJ, the Innovation and Sports Campus, ISO (including its team, values, and operations), allowing them to connect with their peers, and engaging in activities aimed at personal development. In essence, the primary goal of this segment is to integrate students into their new environment and ensure a smooth shift from school to university life;
- The second part, conducted through six sessions during the initial weeks of the first semester, emphasizes methodological aspects. Its aim is to equip new students with essential tools to navigate the university learning process. This includes mastering attentional and mnemonic skills, structuring academic tasks, as well as honing effective reading, research, and information validation techniques.

040VOMNL5	Voice Management I	2 Cr.
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This course aims to foster comprehension of voice disorders and pathologies, focusing on honing assessment techniques and utilizing evidence-based treatment methods for voice disorders and on enhancing critical thinking skills in clinical assessment and intervention for individuals with voice disorders.

Prerequisites: Pathologies of the Voice (040PAVOL3) & Phonetics II (040PHO2L2)

040VOMAL6	Voice Management II	2 Cr.
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This course aims to foster comprehension of voice disorders and pathologies, focusing on honing assessment techniques and utilizing evidence-based treatment methods for voice disorders and on enhancing critical thinking skills in clinical assessment and intervention for individuals with voice disorders. Learning objectives include:

- Identifying various voice disorders;
- Understanding treatment options for different disorders;
- Developing tailored goals for effective voice therapy.

Prerequisite: Voice Management I (040VOMNL5)

040PAVOL3	Pathologies of the Voice	1 Cr.
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This required course addresses dysphonia, a common voice disorder treated by Speech and Language Pathologists (SLPs) in Lebanon. Its objective is to educate students about prevalent voice disorders, enabling them to effectively evaluate and intervene with dysphonic patients, while also fostering collaboration with other professionals. The course aims to cultivate the following competencies:

- Reviewing and applying knowledge from the Anatomy, Physiology, and Pathology of Speech course;
- Acquiring essential knowledge for treating dysphonic patients;
- Analyzing the diagnosis and treatment of dysphonic patients;
- Encouraging self-development and information sharing through group work.

The course follows a collaborative learning, team-based learning, and flipped classroom approach. Each lecture is divided into four sections:

- Individual completion of multiple-choice questions;
- Group completion of multiple-choice questions;
- Reviewing and discussing the multiple-choice questions;
- In-depth exploration through clinical case studies.

Additionally, each face-to-face lecture is preceded by individual and/or group assignments centered around specific topics covered in books, articles, or videos.

Prerequisite: Anatomy and Physiology of Speech (040APPSL1)

015ABC2L3	Volunteering and Active Citizenship	2 Cr.
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This course is part of the USJ General Education Program. Its objective is to raise awareness among all students about the importance of their involvement in civic life by offering them opportunities to engage in diverse volunteer activities. This course consists of two components: theoretical instruction and supervised practical training.

040WLDIL5	Written Language Disorders I: Symptomatology and Assessment	2 Cr.
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This required course aims to acquaint students with the symptoms of written language disorders, covering reading, writing, comprehension, and related skills. It also provides an understanding of assessment tools for diagnosing such disorders, with consideration for the multilingual Lebanese context.

Prerequisites: Introduction to Literacy Development (040ITLDL4)

040WLDIL6	Written Language Disorders II: Intervention	3 Cr.
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This required course introduces students to intervention principles in written language, including techniques and strategies. By the course's end, students will be able to plan interventions, employ evidence-based methods, and collaborate with relevant stakeholders in patient care.

Prerequisites: Practicum IV (040PRA4L4) & Written Language Disorders I: Symptomatology and Assessment (040WLDIL5)

	USJ Values	2 Cr.
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	Body and Language Communication Workshop	
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Development of Prelogical and Logical Reasoning	1 Cr.
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Prerequisites: Math Cognition Developmental Disorders (040DAMCL6)

Leadership, Innovation and Professionalism	2 Cr.
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This course is part of the USJ General Education Program. Social work students are introduced to demonstrating leadership and innovation when facing complex situations. It also encourages them to work in multidisciplinary teams and to adopt professional conduct that respects human values and institutional culture. It enables students to:

- Demonstrate leadership and innovation.
- Manage their skills according to their chosen career path and the evolving professional requirements.
- Work in a team with other professionals while respecting institutional culture and the values of social work.